Roll No. .....

# 24359

# B. Tech 6th Semester (ME) Examination – May, 2016

# INDUSTRIAL ENGINEERING

Paper: ME-312-F

Time: Three Hours]

[ Maximum Marks: 100

Before answering the question, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Question No. 1 is compulsory. There are four sections, contain 2 question in each at least one question is to be attempted from each Section.

1. Explain:

20

- (i) Industrial Engineering
- (ii) Motion Economy
- (iii) Quality
- (iv) Cost
- (v) Incentives

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P. T. O.



#### SECTION - A

2.	(a)	What is break even analysis? Explain.	10
	<b>(b)</b>	Explain fixed, variable and overhead costs.	10

3. What is productivity? Explain factors effecting productivity.

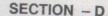
### SECTION - B

- 4. Explain work measurement. Explain various methods of work measurement.
- 5. Explain: 20
  - (i) Economic order quality
  - (ii) Economic Batch quality.

## SECTION - C

- 6. Explain the concept of quality assurance system with suitable examples.
- 7. Define PPC. Explain its objectives and variables. 20

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- **8.** What is MIS? What is the importance of MIS? Explain the role of MIS in decision making.
- **9.** (a) What is value engineering.
  - (b) Explain role of Ergonomics in product design. 15

24359-9,650-(P-3)(Q-9) (16) (3)